Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

Homework sheet: Alg2H

Exponents + Formulas + review

|  |  |
| --- | --- |
| Formulas:1. Page 71, questions:

a.b.f.Page 72, question 21: | Exponents:1. Page 58, questions:

49. 51. 52.53. |

|  |
| --- |
| 1. (Book1 60\*\*) Solve

 $\frac{2}{3}(3x+14)=7x+6$ , by first multiplying both sides of the equation by 3,before applying the distributive property.  |
| 1. (Book1 62\*\*) In each of the following, use appropriate algebraic operations to remove the parentheses and combine like terms. Leave your answers in a simple form

(a) $x(2x)+2(x+5)$ (b) $2x(5x-2)+3(6x+7)$ (c) $5m(3m-2n)+4n(3m-2n) $ |
| 1. (Book1 59\*\*) Simplify each of the following:

(a) the sum of $6x+2$ and $-8x+5$; (b) the result of subtracting $5x - 17$ from $8x + 12$; (c) the product of $7x$ and $4x - 9$.  |